

LIB-UPDATE

File	5
Op-Sys	OS/390, VSE/ESA, BS2000/OSD
Statement	PROCESS
Task	Perform library update functions, for example, rename, purge directory entries.

Common Fields for all Operating Systems

Dictionary Field Name	F/L	Mu	DE	Remarks
ERROR-CODE	N3			
ERROR-TEXT	A58			
NODE	N5		D	
NODE-NAME	A16		D	
SYSTEM-MESSAGE-CODE	A10			
DSNAME	A54		D	Required.
FUNCTION	A8		D	Required.

Additional Fields Supported for OS/390

Dictionary Field Name	F/L	Mu	DE	Remarks
VOLSER	A6		D	Required only if the dataset is not cataloged.
MEMBER	A10		D	Required.
NEWNAME-MEMBER	A10		D	Relevant with FUNCTION=RENAME.
PRODUCT	A1		D	
ALIAS	A8		D	Relevant with FUNCTION=ALIAS.
ALIAS-EP	B4		D	Relevant with FUNCTION=ALIAS.
ALIAS-AMODE	A3		D	Relevant with FUNCTION=ALIAS.
PASSWORD	A8		D	
MEMBER-PASSWORD	A8		D	Relevant when PRODUCT=L
OPTIONS	A80		D	Relevant when PRODUCT=L

Additional Fields supported for VSE/ESA

Dictionary Field Name	F/L	Mu	DE	Remarks
VOLSER	A6		D	Required.
LIBRARY	A8		D	Required.
SUB-LIBRARY	A8		D	Required.
MEMBER-TYPE	A8		D	
NEWNAME-MEMBER-TYPE	A8		D	Relevant with FUNCTION=RENAME.
VSAM-CATALOG	A8		D	Required if VSAM-controlled Librarian file.

Additional Fields Supported for BS2000/OSD

Dictionary Field Name	F/L	Mu	DE	Remarks
PRODUCT	A1		D	
PASSWORD	A8		D	
SYSTEM-CODE	B2		D	
ELEMENT	A64		D	
NEWNAME-ELEMENT	A64		D	Relevant with FUNCTION=RENAME.
ELEMENT-TYPE	A8		D	
NEWNAME-ELEMENT-TYPE	A8		D	Relevant with FUNCTION=RENAME.
ELEMENT-PASSWORD	A8		D	
ELEMENT-VERSION	A24		D	
NEWNAME-ELEMENT-VERSION	A24		D	Relevant with FUNCTION=RENAME.
OVERWRITE	A3		D	Relevant with FUNCTION=RENAME.
NEWNAME-ELEMENT-PASSWORD	A8		D	Relevant with FUNCTION=RENAME.
NEWNAME-ELEMENT-USER-DATE	A14		D	Relevant with FUNCTION=RENAME.
NEWNAME-ELEMENT-USER-TIME	A8		D	Relevant with FUNCTION=RENAME.

Relevant Error Codes

Code	Text	OS/390	VSE/ESA	BS2000/OSD
530	Access denied by Security Facility.			X
531	Password missing or incorrect.			X
550	File not a PDS.	X		
551	MEMBER not specified.	X	X	X
552	"NEWNAME" / "ALIAS" missing.	X	X	
553	I/O error on directory.	X		
554	Member not found.	X	X	
555	"NEWNAME" / "ALIAS" already exists.	X	X	
556	File is in use.	X		
557	File held by linkage editor.			
565	Syntax error in dataset name.			X
572	Newname missing.			X
600	Unknown function.	X	X	X
692	You are not permitted to access member.			X
697	Library/sublib not found.		X	
698	Internal Librarian error.		X	
699	Not enough main storage available.	X	X	
701	DSNAME missing.			X
772	Requested dataset not found.			X
799	Entire System Server internal error.			X
878	Volume defined as CA-Dynam/D pool name.		X	
989	Invalid element specification.			X
991	Unknown product.	X		X
993	OPEN error.	X		
998	Member not found.			X

Field Descriptions

Field Name	Type/Length	Operating System
ALIAS	(A8)	OS/390

Relevant with FUNCTION=ALIAS. Name of alias to be created.

Field Name	Type/Length	Operating System
ALIAS-EP	(B4)	OS/390

Relevant with FUNCTION=ALIAS. Entry point address to be assigned to the alias.

Field Name	Type/Length	Operating System
ALIAS-AMODE	(A3)	OS/390

Relevant with FUNCTION=ALIAS. AMODE to be assigned to the alias. Value can be one of 24, 31, 64 or ANY.

Field Name	Type/Length	Operating System
DSNAME	(A54)	OS/390, VSE/ESA, BS2000/OSD

Dataset name of the library to be updated.

Field Name	Type/Length	Operating System
ELEMENT	(A64)	BS2000/OSD

Element name.

Field Name	Type/Length	Operating System
ELEMENT-PASSWORD	(A8)	BS2000/OSD

Password for protected elements.

Field Name	Type/Length	Operating System
ELEMENT-TYPE	(A8)	BS2000/OSD

Type of element.

Field Name	Type/Length	Operating System
ELEMENT-VERSION	(A24)	BS2000/OSD

Version number of element to be updated.

Field Name	Type/Length	Operating System
FUNCTION	(A8)	OS/390, VSE/ESA, BS2000/OSD

Function to be performed. Possible options:

Option	Explanation
ALIAS	Assign alias to existing member. (OS/390 only)
RENAME	Rename member/element.
SCRATCH	Scratch member/element.

Field Name	Type/Length	Operating System
LIBRARY	(A8)	VSE/ESA

Name of library.

Field Name	Type/Length	Operating System
MEMBER	(A10)	OS/390, VSE/ESA

Name of member to be processed.

Field Name	Type/Length	Operating System
MEMBER-PASSWORD	(A8)	OS/390

Password for protected CA-Librarian member.

Field Name	Type/Length	Operating System
MEMBER-TYPE	(A8)	VSE/ESA

Type of member

Field Name	Type/Length	Operating System
NEWNAME-ELEMENT	(A64)	BS2000/OSD

Relevant with FUNCTION=RENAME. New element name.

Field Name	Type/Length	Operating System
NEWNAME-ELEMENT-PASSWORD	(A8)	BS2000/OSD

Relevant with FUNCTION=RENAME. Password, if an existing, password-protected element has to be overwritten with RENAME.

Field Name	Type/Length	Operating System
NEWNAME-ELEMENT-TYPE	(A8)	BS2000/OSD

Relevant with FUNCTION=RENAME. New element type.

Field Name	Type/Length	Operating System
NEWNAME-ELEMENT-USER-DATE	(A14)	BS2000/OSD

Is written as element information into the LMS library.

Format: YYYY-MM-DDaaaa, where *aaaa* can be any 4-character string.

Field Name	Type/Length	Operating System
NEWNAME-ELEMENT-USER-TIME	(A8)	BS2000/OSD

Is written as element information into the LMS library. Format: HH:MM:SS.

Field Name	Type/Length	Operating System
NEWNAME-ELEMENT-VERSION	(A24)	BS2000/OSD

Relevant with FUNCTION=RENAME. Version of new element.

Field Name	Type/Length	Operating System
NEWNAME-MEMBER	(A10)	OS/390, VSE/ESA

Relevant for FUNCTION=RENAME. New name of member.

Field Name	Type/Length	Operating System
NEWNAME-MEMBER-TYPE	(A8)	VSE/ESA

Type of new member when FUNCTION=RENAME.

Field Name	Type/Length	Operating System
OPTIONS	(A80)	OS/390

Options for CA-Librarian access method.

Field Name	Type/Length	Operating System
OVERWRITE	(A3)	BS2000/OSD

Relevant with FUNCTION=RENAME. Possible options:

Option	Explanation
NO	Default. Do not overwrite target element with the same name.
EXTEND	Extend target element with this element.
ONLY	Target element must exist.
YES	Overwrite target element with the same name.

Field Name	Type/Length	Operating System
PASSWORD	(A8)	OS/390, BS2000/OSD

Password for protected dataset or file.

Field Name	Type/Length	Operating System
PRODUCT	(A1)	OS/390, BS2000/OSD

Access method used. Possible options:

Option	Explanation
L	CA-Librarian
M	BS2000/OSD LMS
P	CA-Panvalet

Field Name	Type/Length	Operating System
SUB-LIBRARY	(A8)	VSE/ESA

Name of sublibrary.

Field Name	Type/Length	Operating System
VOLSER	(A6)	OS/390, VSE/ESA

Volume serial number.

Field Name	Type/Length	Operating System
VSAM-CATALOG	(A8)	VSE/ESA

Name of VSAM catalog where the library is kept.